

10157000 DANIELS CREEK ABOVE DIVERSIONS NEAR HEBER CITY, UT

LOCATION.--Lat 40°25'54", long 111°21'07", in NW¹/₄SE¹/₄NW¹/₄ sec. 35, T. 4 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on right bank 6 mi southeast of Heber City and 7.5 mi upstream from Deer Creek Reservoir.

DRAINAGE AREA.--37.2 mi².

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,110 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Records may include flow diverted from Strawberry River drainage through Hobbie Creek and Strawberry River ditches which are transbasin diversions.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 191 ft³/s May 14, 1997, gage height 5.92 ft; maximum gage height, 6.17 ft, May 22, 1993; minimum, 1.1 ft³/s Mar. 7, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 191 ft³/s May 14, gage height 5.92 ft; minimum daily, 30 ft³/s Dec. 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	5.9	4.4	3.7	4.4	4.4	e4.2	12	77	76	21	12	8.1	
2	6.3	4.4	e3.6	4.8	4.1	e4.3	12	62	69	21	11	8.1	
3	6.4	4.4	3.5	e4.6	3.9	e4.2	11	52	61	21	11	8.8	
4	6.8	4.4	4.1	e4.0	e3.6	e4.0	12	55	56	20	13	8.6	
5	6.4	5.1	4.1	3.5	e3.4	e4.2	11	80	48	19	15	8.3	
6	6.2	4.5	4.2	e3.4	e3.3	e4.4	11	102	41	18	12	8.3	
7	6.1	4.3	4.2	e3.8	e3.2	e4.4	10	119	35	17	11	8.3	
8	6.1	4.3	4.3	e4.2	e3.2	e4.5	9.9	125	33	17	10	8.2	
9	6.0	4.4	4.3	e4.7	e3.3	4.6	10	129	32	17	10	8.5	
10	5.9	4.3	5.3	4.4	e3.4	4.5	10	136	28	17	11	9.3	
11	5.8	4.1	5.5	4.4	e3.6	4.4	9.5	150	25	16	10	8.3	
12	5.8	4.0	5.5	e4.3	e3.7	4.5	9.1	151	23	17	13	8.2	
13	5.8	4.0	5.3	e3.6	e3.8	5.8	9.3	147	24	16	12	8.0	
14	6.0	4.1	4.8	e4.2	e3.8	6.4	9.3	148	22	15	10	8.2	
15	5.8	4.0	3.7	e4.6	e3.9	6.4	9.8	151	21	15	9.5	8.1	
16	5.9	4.0	e3.6	e4.2	e4.0	7.1	11	144	20	14	8.9	9.0	
17	5.8	3.8	e3.2	e3.4	e4.0	8.2	16	144	18	14	8.8	8.0	
18	5.9	4.7	e3.0	e3.9	e4.0	8.2	22	133	18	14	9.2	9.6	
19	7.0	4.6	e3.6	e4.4	e4.0	9.1	33	124	17	14	8.7	14	
20	6.3	4.4	e4.0	e4.6	e3.9	11	46	114	16	13	8.5	10	
21	6.0	4.3	e3.9	e4.8	e3.7	12	58	116	15	13	8.5	9.4	
22	6.0	e4.2	e3.8	e4.8	e3.7	13	50	104	17	13	8.4	8.7	
23	6.3	e4.1	e3.6	e4.8	e3.8	14	51	95	23	15	8.2	8.4	
24	5.9	e4.1	e3.6	e3.6	e3.7	14	43	104	23	14	8.2	7.9	
25	6.4	e4.0	e3.7	e4.0	e3.5	12	35	95	22	13	7.9	8.2	
26	6.0	e4.0	e3.7	e4.6	e4.5	11	35	77	21	13	8.0	12	
27	5.6	4.0	e3.8	5.0	e4.3	12	48	65	20	13	8.0	11	
28	4.6	e3.8	3.5	4.8	e4.1	12	80	57	20	13	7.9	9.1	
29	4.4	e3.8	3.9	4.8	---	12	100	60	20	13	7.6	8.5	
30	4.5	e3.7	4.1	4.6	---	12	85	62	21	13	7.8	8.2	
31	4.6	---	4.3	4.6	---	13	---	71	---	12	7.9	---	
TOTAL	182.5	126.2	125.4	133.8	105.8	251.4	868.9	3249	885	481	303.0	267.3	
MEAN	5.89	4.21	4.05	4.32	3.78	8.11	29.0	105	29.5	15.5	9.77	8.91	
MAX	7.0	5.1	5.5	5.0	4.5	14	100	151	76	21	15	14	
MIN	4.4	3.7	3.0	3.4	3.2	4.0	9.1	52	15	12	7.6	7.9	
AC-FT	362	250	249	265	210	499	1720	6440	1760	954	601	530	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1997, BY WATER YEAR (WY)													
MEAN	4.72	3.41	3.40	3.42	3.49	5.96	17.2	74.5	37.2	14.2	8.52	6.76	
MAX	6.40	4.51	4.14	4.32	3.89	8.11	29.0	105	76.9	22.4	13.0	8.91	
(WY)	1996	1996	1996	1997	1996	1997	1997	1997	1995	1995	1995	1997	
MIN	2.66	2.61	2.78	2.13	3.06	4.00	11.6	37.3	13.6	5.34	3.74	3.14	
(WY)	1993	1993	1995	1995	1995	1994	1994	1994	1994	1994	1994	1994	
SUMMARY STATISTICS													
FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR					WATER YEARS 1993 - 1997					
ANNUAL TOTAL	5736.7			6979.3									
ANNUAL MEAN	15.7			19.1									
HIGHEST ANNUAL MEAN									15.3				
LOWEST ANNUAL MEAN									19.1				
HIGHEST DAILY MEAN				127					153				
LOWEST DAILY MEAN				3.0					1.4				
ANNUAL SEVEN-DAY MINIMUM				3.6					1.6				
ANNUAL RUNOFF (AC-FT)	11380			13840					11090				
10 PERCENT EXCEEDS	46			56					40				
50 PERCENT EXCEEDS	6.3			8.2					5.9				
90 PERCENT EXCEEDS	3.8			3.8					2.9				

e Estimated